

Form PTO-1449				Atty Docket No. BDG005-6		Serial No. 10/695,564		
U.S. Department of Commerce, Patent and Trademark Office								
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)				Applicant Cheng-Lien Chiang				
				Filing Date October 28, 2003		Group Art Unit <i>2822</i>		
<b>U.S. Patent Documents</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>BN</i>	AA	4,971,930	11/1990	Fusaroli et al.	437	217		
<i>M</i>	AB	5,530,282	06/1996	Tsuji	257	666		
<i>AL</i>	AC	6,512,219	01/2003	Webster et al.	250	208.1		
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
	AL							
	AM							
<b>Foreign Patent Documents</b>								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AN							
	AO							
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AP							
	AQ							
Examiner <i>[Signature]</i>		Date Considered <i>7/28/04</i>						
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								

Form PTO-1449	U.S. Department of Commerce, Patent and Trademark Office	Atty Docket No. BDG005-6	Serial No. 10/695,564
---------------	--	-----------------------------	--------------------------

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Applicant

Cheng-Lien Chiang

Filing Date

October 28, 2003

Group Art Unit

**U.S. Patent Documents**

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
EW	AA	5,440,231	08/1995	Sugai	324	158.1	
PC	AB	6,114,770	09/2000	Akram et al.	257	784	
PC	AC	6,353,265	03/2002	Michii	257	777	
PC	AD	6,369,595	04/2002	Farnworth et al.	324	755	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						

**Foreign Patent Documents**

							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AN							
	AO							

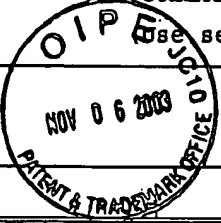
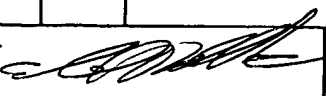
**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AP	
	AQ	

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.

Form PTO-1449					Atty Docket No.		Serial No.	
U.S. Department of Commerce, Patent and Trademark Office					BDG005-6		10/695,564	
<b>INFORMATION DISCLOSURE STATEMENT</b> (See several sheets if necessary)					Applicant			
					Cheng-Lien Chiang			
					Filing Date		Group Art Unit	
					October 28, 2003			
<b>U.S. Patent Documents</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>DN</i>	AA	5,594,275	01/14/97	Kwon et al.	257	686		
<i>RS</i>	AB	6,190,944	02/20/01	Choi	438	109		
<i>for</i>	AC	6,335,565	01/01/02	Miyamoto et al.	257	686		
<i>SM</i>	AD	6,483,718	11/19/02	Hashimoto	361	803		
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
	AL							
	AM							
<b>Foreign Patent Documents</b>								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AN							
	AO							
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AP							
	AQ							
Examiner								
		Date Considered <i>8/28/04</i>						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								

Form PTO-1449					Atty Docket No. BDG005-6		Serial No. <i>10/1695564</i>	
U.S. Department of Commerce, Patent and Trademark Office								
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)					Applicant Cheng-Lien Chiang			
					Filing Date <i>10/28/03</i>		Group Art Unit <i>2823</i>	
<b>U.S. Patent Documents</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>mn</i>	AA	5,081,520	01/1992	Yoshii et al.	357	80		
	AB	5,241,133	08/1993	Mullen, III et al.	174	52.4		
	AC	5,394,303	02/28/95	Yamaji	361	749		
	AD	5,665,652	09/1997	Shimizu	438	127		
	AE	5,674,785	10/1997	Akram et al.	437	217		
	AF	5,744,827	04/28/98	Jeong et al.	257	686		
	AG	5,744,859	04/1998	Ouchida	257	668		
	AH	5,804,771	09/1998	McMahon et al.	174	255		
	AI	5,811,879	09/1998	Akram	257	723		
	AJ	5,949,655	09/1999	Glenn	361	783		
	AK	6,013,877	01/2000	Degani et al.	174	264		
	AL	6,143,588	11/2000	Glenn	438	116		
	AM	6,159,770	12/2000	Tetaka et al.	438	112		
<i>mn</i>	AN	6,274,927	08/2001	Glenn	257	680		
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
<i>mn</i>	AO	Crowley, "Socket Developments for CSP and FBGA Packages," Chip Scale Review, May 1998, pp. 37-40.						
<i>mn</i>	AP	Forster, "Socket Challenges for Chip-Scale Packages," Chip Scale Review, May 1998, pp. 43-47.						
<i>m</i>	AQ	Amagai, "Chip-Scale Packages for Center-Pad Memory Devices," Chip Scale Review, May 1998, pp. 68-77.						
<i>m</i>	AR	Vandavelde et al., "The PSGA, a Lead-Free CSP for High Performance & High Reliable Packaging," Proceedings of the 2001 International Symposium on Microelectronics, October 9, 2001, pp. 260-265.						
Examiner <i>[Signature]</i>			Date Considered <i>8/28/04</i>					
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.</p>								

Form PTO-1449		Atty Docket No.	Serial No.
U.S. Department of Commerce, Patent and Trademark Office		BDG005-6	10/169556 4
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		Applicant Cheng-Lien Chiang	
		Filing Date 10/28/03	Group Art Unit 2826
*Examiner Initial	Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)		
AM	AA	U.S. Application Serial No. 09/865,367, filed May 24, 2001, entitled "Semiconductor Chip Assembly With Simultaneously Electroplated Contact Terminal and Connection Joint"	
	AB	U.S. Application Serial No. 09/864,555, filed May 24, 2001, entitled "Semiconductor Chip Assembly with Simultaneously Electrolessly Plated Contact Terminal and Connection Joint"	
	AC	U.S. Application Serial No. 09/864,773, filed May 24, 2001, entitled "Semiconductor Chip Assembly With Ball Bond Connection Joint"	
	AD	U.S. Application Serial No. 09/878,649 filed June 11, 2001, entitled "Method of Making a Semiconductor Chip Assembly with a Conductive Trace Subtractively Formed Before and After Chip Attachment"	
	AE	U.S. Application Serial No. 09/878,626 filed June 11, 2001, entitled "Method of Connecting a Conductive Trace to a Semiconductor Chip"	
	AF	U.S. Application Serial No. 09/917,339 filed July 27, 2001, entitled "Method of Connecting a Bumped Compliant Conductive Trace to a Semiconductor Chip"	
	AG	U.S. Application Serial No. 09/927,216 filed August 10, 2001, entitled "Semiconductor Chip Assembly with Hardened Connection Joint"	
	AH	U.S. Application Serial No. 09/939,140 filed August 24, 2001, entitled "Semiconductor Chip Assembly with Interlocked Conductive Trace"	
	AI	U.S. Application Serial No. 09/962,754 filed September 24, 2001, entitled "Method of Connecting a Conductive Trace and an Insulative Base to a Semiconductor Chip"	
	AJ	U.S. Application Serial No. 09/972,796 filed October 6, 2001, entitled "Method of Connecting a Bumped Compliant Conductive Trace and an Insulative Base to a Semiconductor Chip"	
ON	AK	U.S. Application Serial No. 09/997,973 filed November 29, 2001, entitled "Method of Connecting a Bumped Conductive Trace to a Semiconductor Chip"	
Examiner	Date Considered		
almm	8/28/04		
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.</p>			

Form PTO-1449 U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No. BDG005-6		Serial No. 10/695564	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)					Applicant Cheng-Lien Chiang			
					Filing Date 10/28/03		Group Art Unit 2824	
<b>U.S. Patent Documents</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
DN	AA	4,706,166	11/10/87	Go	361	403		
	AB	4,807,021	02/21/89	Okumura	357	75		
	AC	4,897,708	01/30/90	Clements	357	65		
	AD	4,954,875	09/04/90	Clements	357	75		
	AE	4,984,358	01/15/91	Nelson	29	830		
	AF	4,996,583	02/26/91	Hatada	357	70		
	AG	5,049,979	09/17/91	Hashemi et al.	357	75		
	AH	5,104,820	04/14/92	Go, deceased et al.	437	51		
	AI	5,138,438	08/11/92	Masayuki et al.	357	75		
	AJ	5,332,922	07/26/94	Oguchi et al.	257	723		
	AK	5,484,959	01/16/96	Burns	174	524		
	AL	5,514,907	05/07/96	Moshayedi	257	723		
DN	AM	5,625,221	04/29/97	Kim et al.	257	686		
<b>Foreign Patent Documents</b>								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AN							
	AO							
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
DN	AP	U.S. Application Serial No. 09/917,358, filed July 27, 2001, entitled "Three-Dimensional Stacked Semiconductor Package"						
DN	AQ	U.S. Application Serial No. 10/052,810, filed November 10, 2001, entitled "Semiconductor Module with Encapsulant Base"						
Examiner		Date Considered						
[Signature]		8/28/04						
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								

Form PTO-1449 U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No. BDG005-6		Serial No. <i>10/645564</i>	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)					Applicant Cheng-Lien Chiang			
					Filing Date <i>10/28/03</i>		Group Art Unit <i>2682</i>	
<b>U.S. Patent Documents</b>								
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
<i>AS</i>	AA	5,804,874	09/08/98	An et al.	257	676		
	AB	5,854,507	12/29/98	Miremadi et al.	257	686		
	AC	5,861,666	01/19/99	Bellaar	257	686		
	AD	5,910,685	06/08/99	Watanabe et al.	257	777		
	AE	5,973,393	10/26/99	Chia et al.	257	690		
	AF	6,072,233	06/06/00	Corisis et al.	257	686		
	AG	6,124,633	09/26/00	Vindasius et al.	257	685		
<i>AM</i>	AH	6,231,364	05/15/01	Liu	439	326		
	AI	6,233,154	05/15/01	Farnworth et al.	361	752		
	AJ							
	AK							
	AL							
	AM							
<b>Foreign Patent Documents</b>								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AN							
	AO							
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
<i>AS</i>	AP	Sugaya et al., "A New 3-D Module Using Embedded Actives and Passives," Proceedings of the 2001 International Symposium on Microelectronics, October 9, 2001, pp. 248-253.						
<i>AM</i>	AQ	Nishida et al., "High Density Packaging Using Flip Chip Technology In Mobile Communication Equipment," Proceedings of the 2001 International Symposium on Microelectronics, October 9, 2001, pp. 272-277.						
Examiner <i>[Signature]</i>		Date Considered <i>8/28/04</i>						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								

Form PTO-1449 U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No. BDG005-6		Serial No. <i>10/695562</i>	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)					Applicant Cheng-Lien Chiang			
					Filing Date <i>10/22/04</i>		Group Art Unit <i>2826</i>	
<b>U.S. Patent Documents</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>AN</i>	AA	5,149,958	09/1992	Hallenbeck et al.	250	216		
	AB	5,264,714	11/1993	Nakaya et al.	257	78		
	AC	5,405,809	04/1995	Nakamura et al.	437	209		
	AD	5,834,835	11/1998	Maekawa	257	680		
	AE	5,834,843	11/1998	Mori et al.	257	723		
	AF	5,859,471	01/1999	Kuraishi et al.	257	666		
	AG	5,893,723	04/1999	Yamanaka	438	65		
	AH	6,265,770	07/2001	Uchiyama	257	698		
	AI							
	AJ							
	AK							
	AL							
	AM							
<b>Foreign Patent Documents</b>								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
<i>AN</i>	AN	JP-57100761	06/1982	Japan	H01L	27/14		X
	AO							
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AP							
	AQ							
Examiner <i>[Signature]</i>			Date Considered <i>3/28/04</i>					
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								



Form PTO-1449 U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No. BDG005-6		Serial No.	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)					Applicant Cheng-Lien Chiang			
					Filing Date		Group Art Unit	
<b>U.S. Patent Documents</b>								
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT	3,627,901	12/1971	Happ	174	52 PE			
	3,678,385	07/1972	Bruner	324	158 F			
	3,930,114	12/1975	Hodge	174	52 FP			
	4,506,238	03/1985	Endoh et al.	333	138			
	5,157,480	10/1992	McShane et al.	357	74			
	5,207,102	05/1993	Takahashi et al.	73	727			
	5,436,500	07/1995	Park et al.	257	696			
	5,677,566	10/1997	King et al.	257	666			
	5,866,939	02/1999	Shin et al.	257	666			
	5,894,107	04/1999	Lee et al.	174	52.2			
	5,951,804	09/1999	Kweon et al.	156	244.12			
	6,114,770	09/2000	Akram et al.	257	784			
	6,130,116	10/2000	Smith et al.	438	127			
	6,232,152	05/2001	DiStefano et al.	438	124			
	6,297,543	10/2001	Hong et al.	257	666			
	6,303,997	10/2001	Lee	257	778			
	6,326,700	12/2001	Bai et al.	257	790			
	6,445,077	09/2002	Choi et al.	257	786			
6,455,356	09/2002	Glenn et al.	438	123				
6,468,836	10/2002	DiStefano et al.	438	128				
<b>Foreign Patent Documents</b>								
							Translation	
	Document	Date	Country	Class	Subclass	Yes	No	
AU	JP-01128897	05/1989	Japan	B42D	15/02		X	
Examiner		Date Considered <u>8/26/04</u>						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								

Form PTO-1449 U.S. Department of Commerce, Patent and Trademark Office					Atty Docket No. BDG005-6		Serial No. <i>10/695564</i>	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)					Applicant Cheng-Lien Chiang			
					Filing Date <i>10/28/04</i>		Group Art Unit <i>2826</i>	
<b>U.S. Patent Documents</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
<i>PN</i>	AA	6,001,671	12/1999	Fjelstad	438	112		
<i>AN</i>	AB	6,025,650	02/2000	Tsuji et al.	257	786		
<i>AN</i>	AC	6,281,568	08/2001	Glenn et al.	257	684		
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
	AL							
	AM							
<b>Foreign Patent Documents</b>								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
	AN							
	AO							
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	AP							
	AQ							
Examiner <i>[Signature]</i>		Date Considered <i>8/28/04</i>						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								

Form PTO-1449					Atty Docket No.		Serial No.	
U.S. Department of Commerce, Patent and Trademark Office					BDG005-6		10/695564	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)					Applicant Cheng-Lien Chiang			
					Filing Date 10/28/04		Group Art Unit 5826	
<b>U.S. Patent Documents</b>								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
AA	6,198,171	03/2001	Huang et al.	257	787			
AB	6,218,728	04/2001	Kimura	257	693			
AC								
AD								
AE								
AF								
AG								
AH								
AI								
AJ								
AK								
AL								
AM								
<b>Foreign Patent Documents</b>								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
AN	Jp-06097352	04/1994	Japan	H01L	23/50	X		
AO								
<b>Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
AP								
AQ								
Examiner				Date Considered 8/24/04				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your next communication to Applicant.								